

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	310	"net gain" and pump and "optical amplifier"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:26
L2	4	l1 and ("net gain" near zero)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:28
L3	1555	switch and gain and "optical amplifier" and pump	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:28
L4	1356	l3 and loss	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:28
L5	570	l4 and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:30
L6	8029	"optical switch".ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:30
L7	4883	"optical switch".ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:30
L8	224	l7 and gain	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:30
L9	164	l8 and loss	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:30
L10	15	l9 and pump	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:43
L11	4111	((359/333) or (398/45) or (385/16)). CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/09/30 12:43
L12	3353	l11 and switch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:43
L13	284	l11 and "rare earth"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:56
L14	1354	l11 and "optical switch".clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:56
L15	12	l14 and "rare earth".clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:56

## EAST Search History

L16	0	l15 and "absolute value".clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/30 12:56
S1	46	(patel.in. or miller.in.) and "optical switch".clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:14
S2	2755	(385/16).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 11:01
S3	361	(398/45).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 11:01
S4	2911	(S2 or S3) and @ad<"20040407"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:02
S5	485	S2 and doped	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:15
S6	491	S4 and doped	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:02
S7	469	(359/341.1).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 11:15
S8	2736	switch and mach and zehnder	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:16
S9	1194	S8 and doped	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:16
S10	955	S8 and "optical amplifier"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:16

## EAST Search History

S11	78	(US-20040156580-\$ or US-20030223675-\$ or US-20040197044-\$ or US-20030026523-\$ or US-20040131305-\$ or US-20010046341-\$ or US-20060039646-\$ or US-20050147339-\$ or US-20020126946-\$ or US-20040096144-\$ or US-20020085788-\$ or US-20030035611-\$ or US-20020076142-\$ or US-20020054727-\$ or US-20040017990-\$ or US-20040001680-\$ or US-20020076141-\$ or US-20050220388-\$ or US-20040126072-\$ or US-20030128415-\$ or US-20020159702-\$ or US-20030095311-\$ or US-20020044709-\$ or US-20020181087-\$ or US-20030026518-\$).did. or (US-6839479-\$ or US-6393175-\$ or US-6269273-\$ or US-6510259-\$ or US-5748811-\$ or US-5812709-\$ or US-6173096-\$ or US-6167170-\$ or US-6876787-\$ or US-6633692-\$ or US-5915051-\$ or US-5920666-\$ or US-6144785-\$ or US-5173956-\$ or US-5539850-\$ or US-5224185-\$ or US-5647032-\$ or US-5481630-\$ or US-5502781-\$ or US-6144780-\$ or US-5790720-\$ or US-5703975-\$ or US-5841912-\$ or US-5329601-\$ or US-5991475-\$ or US-6122416-\$).did. or (US-6778727-\$ or US-6687427-\$ or US-5136670-\$ or US-4728167-\$ or US-4693547-\$ or US-6625356-\$ or US-6151428-\$ or US-5627929-\$ or US-5706374-\$ or US-6925217-\$ or US-5970185-\$ or US-6836604-\$ or US-5377284-\$ or US-6785434-\$ or US-6215935-\$ or US-5652807-\$ or US-6374019-\$ or US-6618179-\$ or US-6714706-\$ or US-6311004-\$ or US-5875272-\$ or US-6538804-\$ or US-5889902-\$ or US-7005669-\$ or US-6760499-\$ or US-6959131-\$).did. or (WO-9301518-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/03/04 11:28
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## EAST Search History

S12	5	S11 and "rare earth"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:30
S13	1	("20050225839").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 11:30

## EAST Search History

S14	75	(US-20040156580-\$ or US-20030223675-\$ or US-20040197044-\$ or US-20030026523-\$ or US-20040131305-\$ or US-20010046341-\$ or US-20060039646-\$ or US-20050147339-\$ or US-20020126946-\$ or US-20040096144-\$ or US-20020085788-\$ or US-20030035611-\$ or US-20020076142-\$ or US-20020054727-\$ or US-20040017990-\$ or US-20040001680-\$ or US-20020076141-\$ or US-20050220388-\$ or US-20040126072-\$ or US-20030128415-\$ or US-20020159702-\$ or US-20030095311-\$ or US-20020044709-\$ or US-20020181087-\$ or US-20030026518-\$ or US-20050225839-\$).did. or (US-6839479-\$ or US-6393175-\$ or US-6269273-\$ or US-6510259-\$ or US-5748811-\$ or US-5812709-\$ or US-6173096-\$ or US-6167170-\$ or US-6876787-\$ or US-6633692-\$ or US-5915051-\$ or US-5920666-\$ or US-5173956-\$ or US-5539850-\$ or US-5224185-\$ or US-5647032-\$ or US-5481630-\$ or US-5502781-\$ or US-6144780-\$ or US-5790720-\$ or US-5841912-\$ or US-5329601-\$ or US-5991475-\$ or US-6122416-\$ or US-6778727-\$ or US-6687427-\$).did. or (US-5136670-\$ or US-4728167-\$ or US-4693547-\$ or US-6625356-\$ or US-6151428-\$ or US-5627929-\$ or US-5706374-\$ or US-6925217-\$ or US-5970185-\$ or US-6836604-\$ or US-5377284-\$ or US-6785434-\$ or US-6215935-\$ or US-5652807-\$ or US-6374019-\$ or US-6618179-\$ or US-6714706-\$ or US-6311004-\$ or US-5875272-\$ or US-5889902-\$ or US-7005669-\$ or US-6760499-\$).did. or (WO-9301518-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/03/04 11:35
S15	9	S14 and pump	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:35

## EAST Search History

S16	19	S14 and attenuator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 11:56
S17	356	(359/341.3).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 11:56
S18	9	("5946428").URPN.	USPAT	OR	ON	2006/03/04 12:10
S19	59	"loss region" and "optical amplifier"	USPAT	OR	ON	2006/03/04 12:17
S20	1	("4881793").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 12:20
S21	0	gain near loss near "optical amplifier" near equal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 12:20
S22	2	gain near loss near "optical amplifier"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 12:36
S23	1	("6603909").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 12:57
S24	113	(359/341.5).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/04 13:04
S25	67	S24 and weight	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 13:04
S26	21	("3640891"   "3857689"   "3942991"   "4038090"   "4076541"   "4155735"   "4576920"   "4962067"   "5128801"). PN. OR ("5475528").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 13:17
S27	4	er/yb and silver and "optical amplifier"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 13:26
S28	191	"optical amplifier" and (cladding near doped)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/04 13:26
S29	61	"polarization beam splitter" and SOA	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/13 15:06
S30	14	("20040004755"   "20040109230"   "4923291"   "5309530"   "5309535"   "5910852"   "5982531"   "6205262"   "6310720"   "6522796"   "6545800"   "6549331"   "6611369"   "6760151"). PN. OR ("7002733").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/13 15:07

## EAST Search History

S31	1	("20050254119").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/13 17:33
S32	3	((("6873795") or ("5870217") or ("5764404"))).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/19 13:31
S33	588	"optical amplifier" and "on/off"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/13 09:46
S34	7	"l1" and ("on/off" NEAR gain)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/13 09:48
S35	24	"optical amplifier" and "on/off gain"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/13 09:48
S36	1	("5475528").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/13 09:59
S37	1	("6603909").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/06/11 10:18
S38	605	"optical switch" and substrate and "rare earth"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:20
S39	438	S38 and @ad<"20040407"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:20
S40	86	S39 and switch.ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:50

## EAST Search History

S41	94	(US-20050220388-\$ or US-20030128415-\$ or US-20020044709-\$ or US-20010046341-\$ or US-20020076142-\$ or US-20040156580-\$ or US-20040131305-\$ or US-20040096144-\$ or US-20040197044-\$ or US-20020054727-\$ or US-20030026518-\$ or US-20040001680-\$ or US-20050147339-\$ or US-20060039646-\$ or US-20040126072-\$ or US-20030035611-\$ or US-20020181087-\$ or US-20030223675-\$ or US-20040017990-\$ or US-20030026523-\$ or US-20020085788-\$ or US-20020126946-\$ or US-20020159702-\$ or US-20030095311-\$ or US-20020076141-\$ or US-20030147127-\$).did. or (US-20020081059-\$ or US-20020097949-\$ or US-20020159679-\$ or US-20020176656-\$ or US-20030190114-\$ or US-20040028336-\$ or US-20060175585-\$).did. or (US-6215935-\$ or US-5652807-\$ or US-6311004-\$ or US-5173956-\$ or US-6625356-\$ or US-6836604-\$ or US-7005669-\$ or US-5539850-\$ or US-6785434-\$ or US-6167170-\$ or US-5136670-\$ or US-6618179-\$ or US-5889902-\$ or US-5991475-\$ or US-5329601-\$ or US-5790720-\$ or US-4693547-\$ or US-4728167-\$ or US-6760499-\$ or US-6633692-\$ or US-5481630-\$ or US-6876787-\$ or US-5748811-\$ or US-5915051-\$ or US-5920666-\$ or US-5706374-\$).did. or (US-5812709-\$ or US-6687427-\$ or US-5875272-\$ or US-6510259-\$ or US-6269273-\$ or US-6393175-\$ or US-6839479-\$ or US-6925217-\$ or US-5224185-\$ or US-6778727-\$ or US-5647032-\$ or US-5627929-\$ or US-6173096-\$ or US-5841912-\$ or US-6122416-\$ or US-6498678-\$ or US-6151428-\$ or US-6144780-\$ or US-5502781-\$ or US-6374019-\$ or US-5377284-\$ or US-5970185-\$ or US-6714706-\$ or US-5195149-\$ or US-5046478-\$ or US-6603000-\$ or	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:29
9/30/07 12:56:40 PM	C:\Documents and Settings\Druidhes1\My Documents\EAST\Workspaces\820098.wsp					Page 8



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S42	14	S40 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:29
S43	352	S39 not S40	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:50
S44	119	S43 and gain and pump	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 10:50
S45	5	S44 and er/yb	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 11:37
S46	1	("6690873").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/06/11 11:44
S47	3	Er/yb and core and silver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 11:45
S48	6	(core adj4 silver) and "rare earth" and waveguide and amplifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 11:50
S49	10	(core adj4 silver) and "rare earth" and amplifier	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 11:51
S50	4	S49 not S48	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 11:51
S51	223	(core adj4 silver) and "rare earth"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/11 11:52